



SEQUENCE LISTING

<110> BARCLAY, A. Neil
BROWN, Marion H.
GORMAN, Daniel M.
LANIER, Lewis L.
WRIGHT, Gavin J.
CHERWINSKI, Holly
PHILLIPS, Joseph H.
HOEK, Robert M.
SEDGWICK, Jonathan D.

<120> OX2 RECEPTOR HOMOLOGS (AS AMENDED)

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<140> US 10/009,445
<141> 2001-11-13

<150> PCT US00/12998
<151> 2000-05-11

<150> GB 9925989.7
<151> 1999-11-03

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His Val Ala Val Leu Leu Ile Trp Gly Val Phe Ala Ala Glu Ser Ser
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Thr	His	Phe	Pro	Gly	Glu	Asn	Arg	Thr	Ala	Val	Cys	Glu	Ala	Ile	Ala	
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Cys Ile Ile Ser Tyr Lys Ala Asp Thr Arg Glu Thr His Glu Ser Asn
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Cys Ser Asp Arg Ser Ile Thr Trp Ala Ser Thr Pro Asp Leu Ala Pro
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Cys Asp Ile Ala Val Pro Asp Gly Asn Phe Gln Asn Ile Tyr Asp Leu
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Gln Val Leu Val Pro Pro Glu Val Thr His Phe Pro Gly Glu Asn Arg
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 Trp Thr Pro Asp Gly Asp Cys Val Ala Lys Asn Glu Ser His Ser Asn
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 Ser Val Val Phe Cys Val Val Ser His Leu Thr Thr Gly Asn Gln Ser
 185 190 195 200
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 Ile Gln Tyr Ile Ile Pro Ser Ile Ile Ile Leu Ile Ile Gly Cys
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 Ile Cys Leu Leu Lys Ile Ser Gly Cys Arg Lys Cys Lys Leu Pro Lys
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Lys Gln Ile Thr Gln Asn Tyr Ser Lys Val Leu Ala Glu Val Asn Thr			
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Ser Trp Pro Val Lys Met Ala Thr Asn Ala Val Leu Cys Cys Pro Pro			
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Ile Ala Leu Arg Asn Leu Ile Ile Ile Thr Trp Glu Ile Ile Leu Arg			
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Gly Gln Pro Ser Cys Thr Lys Ala Tyr Lys Lys Glu Thr Asn Glu Thr			
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Val Ala Ile Thr His Asp Gly Tyr Tyr Arg Cys Ile Met Val Thr Pro

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Val Ala Gly Lys Pro Ala Ala His Ile Ser Trp Ile Pro Glu Gly Asp
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Cys Ala Thr Lys Gln Glu Tyr Trp Ser Asn Gly Thr Val Thr Val Lys
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Ser Thr Cys His Trp Glu Val His Asn Val Ser Thr Val Thr Cys His
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Val Ser His Leu Thr Gly Asn Lys Ser Leu Tyr Ile Glu Leu Leu Pro
 215 220 225 230

Val Pro Gly Ala Lys Lys Ile Ser Lys Ile Ile Tyr Ser Ile Tyr His
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Pro Leu Thr Lys Ala Val Leu Ile Thr Trp Ile Ile Lys Leu Arg Gly	
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Tyr Ile Pro Tyr Ile Ile Pro Ser Ile Ile Ile Leu Ile Ile Ile Gly	
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Cys Ile Cys Leu Leu Lys Ile Ser Gly Phe Arg Lys Cys Lys Leu Pro	
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Lys Leu Glu Ala Thr Ser Ala Ile Glu Glu Asp Glu Met Gln Pro Tyr	
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Ala Ser Tyr Thr Glu Lys Ser Asn Pro Leu Tyr Asp Thr Val Thr Lys	
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gtg gag gca ttt cca gta tca caa ggc gaa gtc aat ggc aca gac tgc	963
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 Thr Lys Ala Val Leu Ile Thr Trp Ile Ile Lys Leu Arg Gly Leu Pro
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 Ser Cys Thr Ile Ala Tyr Lys Val Asp Thr Lys Thr Asn Glu Thr Ser
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 Cys Leu Gly Arg Asn Ile Thr Trp Ala Ser Thr Pro Asp His Ser Pro
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 Glu Leu Gln Ile Ser Ala Val Thr Leu Gln His Glu Gly Thr Tyr Thr
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 Cys Glu Thr Val Thr Pro Glu Gly Asn Phe Glu Lys Asn Tyr Asp Leu
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 Trp Ser Pro Asp Gly Asp Cys Val Thr Thr Ser Glu Ser His Ser Asn

155	160	165
Gly Thr Val Thr Val Arg Ser Thr Cys His Trp Glu Gln Asn Asn Val		
170	175	180
Ser Asp Val Ser Cys Ile Val Ser His Leu Thr Gly Asn Gln Ser Leu		
185	190	195
Ser Ile Glu Leu Ser Arg Gly Gly Asn Gln Ser Leu Arg Pro Tyr Ile		
200	205	210
Pro Tyr Ile Ile Pro Ser Ile Ile Ile Leu Ile Ile Gly Cys Ile		
220	225	230
Cys Leu Leu Lys Ile Ser Gly Phe Arg Lys Cys Lys Leu Pro Lys Leu		
235	240	245
Glu Ala Thr Ser Ala Ile Glu Glu Asp Glu Met Gln Pro Tyr Ala Ser		
250	255	260
Tyr Thr Glu Lys Ser Asn Pro Leu Tyr Asp Thr Val Thr Lys Val Glu		
265	270	275
Ala Phe Pro Val Ser Gln Gly Glu Val Asn Gly Thr Asp Cys Leu Thr		
280	285	290
Leu Ser Ala Ile Gly Ile		
300		

<210> 7
<211> 1010
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism:primate; surmised
homo sapiens

<220>
<221> CDS

<222> (1)..(750)

<400> 7
atg ggt gga aag cag atg aca cag aac tat tca aca att ttt gca gaa 48
Met Gly Lys Gln Met Thr Gln Asn Tyr Ser Thr Ile Phe Ala Glu
1 5 10 15

ggt aac att tca cag cct gta ctg atg gat ata aat gct gtg ctt tgt 96
Gly Asn Ile Ser Gln Pro Val Leu Met Asp Ile Asn Ala Val Leu Cys
20 25 30

tgc cct cct att gca tta aga aat ttg atc ata ata aca tgg gaa ata 144
Cys Pro Pro Ile Ala Leu Arg Asn Leu Ile Ile Thr Trp Glu Ile
35 40 45

atc ctg aga ggc cag cct tcc tgc aca aaa gcc tac aag aaa gaa aca 192
Ile Leu Arg Gly Gln Pro Ser Cys Thr Lys Ala Tyr Lys Lys Glu Thr
50 55 60

aat gag acc aag gaa acc aac tgt act gtt gag aga ata acc tgg gtc 240
Asn Glu Thr Lys Glu Thr Asn Cys Thr Val Glu Arg Ile Thr Trp Val
65 70 75 80

tct aga cct gat cag aat tcg gac ctt cag att cgt ccg gtg gac acc	288
Ser Arg Pro Asp Gln Asn Ser Asp Leu Gln Ile Arg Pro Val Asp Thr	
85 90 95	
act cat gac ggg tat tac aga ggc ata gtg gta aca cct gat ggg aat	336
Thr His Asp Gly Tyr Tyr Arg Gly Ile Val Val Thr Pro Asp Gly Asn	
100 105 110	
ttc cat cgt gga tat cac ctc caa gtg tta gtt aca ccc gaa gtg aac	384
Phe His Arg Gly Tyr His Leu Gln Val Leu Val Thr Pro Glu Val Asn	
115 120 125	
cta ttt caa agc agg aat ata act gca gta tgc aag gca gtt aca ggg	432
Leu Phe Gln Ser Arg Asn Ile Thr Ala Val Cys Lys Ala Val Thr Gly	
130 135 140	
aag cca gct gcc cag atc tcc tgg atc cca gag gga tct att ctt gcc	480
Lys Pro Ala Ala Gln Ile Ser Trp Ile Pro Glu Gly Ser Ile Leu Ala	
145 150 155 160	
act aag caa gaa tac tgg ggc aat ggc aca gtg acg gtt aag agt aca	528
Thr Lys Gln Glu Tyr Trp Gly Asn Gly Thr Val Thr Val Lys Ser Thr	
165 170 175	
tgc ccc tgg gag ggc cac aag tct act gtg acc tgc cat gtc tcc cat	576
Cys Pro Trp Glu Gly His Lys Ser Thr Val Thr Cys His Val Ser His	
180 185 190	
ttg act ggc aac aag agt ctg tcc gta aag ttg aat tca ggt ctc aga	624
Leu Thr Gly Asn Lys Ser Leu Ser Val Lys Leu Asn Ser Gly Leu Arg	
195 200 205	
acc tca gga tct cca gcg ttg tcc tta ctg atc att ctt tat gtg aaa	672
Thr Ser Gly Ser Pro Ala Leu Ser Leu Leu Ile Ile Leu Tyr Val Lys	
210 215 220	
ctc tct ctt ttt gtg gtc att ctg gtc acc aca gga ttt gtt ttc ttc	720
Leu Ser Leu Phe Val Val Ile Leu Val Thr Thr Gly Phe Val Phe Phe	
225 230 235 240	
cag agg ata aat cat gtc aga aaa gtt ctt taaaagaagaa ggaagggtct	770
Gln Arg Ile Asn His Val Arg Lys Val Leu	
245 250	
tctttgctt ctccctccttg tctctggact gcaacattgg tgagatgagt gatggtccag	830
cagtgaactt gggccatgga tgatgttaag gatagaagcc actcagtagg atagaagaaa	890
agaaagatgg aagaaggatc ctgggcttga tgaccatgaa gttcccttat aaaccctcaa	950
ccacctattc attgacttct tttgtttag agtgaataaa attttgttca tgccagtgtt	1010

<210> 8
<211> 250
<212> PRT
<213> Unknown

<400> 8
Met Gly Gly Lys Gln Met Thr Gln Asn Tyr Ser Thr Ile Phe Ala Glu
1 5 10 15
Gly Asn Ile Ser Gln Pro Val Leu Met Asp Ile Asn Ala Val Leu Cys

20

25

30

Cys Pro Pro Ile Ala Leu Arg Asn Leu Ile Ile Ile Thr Trp Glu Ile
 35 40 45

Ile Leu Arg Gly Gln Pro Ser Cys Thr Lys Ala Tyr Lys Lys Glu Thr
 50 55 60

Asn Glu Thr Lys Glu Thr Asn Cys Thr Val Glu Arg Ile Thr Trp Val
 65 70 75 80

Ser Arg Pro Asp Gln Asn Ser Asp Leu Gln Ile Arg Pro Val Asp Thr
 85 90 95

Thr His Asp Gly Tyr Tyr Arg Gly Ile Val Val Thr Pro Asp Gly Asn
 100 105 110

Phe His Arg Gly Tyr His Leu Gln Val Leu Val Thr Pro Glu Val Asn
 115 120 125

Leu Phe Gln Ser Arg Asn Ile Thr Ala Val Cys Lys Ala Val Thr Gly
 130 135 140

Lys Pro Ala Ala Gln Ile Ser Trp Ile Pro Glu Gly Ser Ile Leu Ala
 145 150 155 160

Thr Lys Gln Glu Tyr Trp Gly Asn Gly Thr Val Thr Val Lys Ser Thr
 165 170 175

Cys Pro Trp Glu Gly His Lys Ser Thr Val Thr Cys His Val Ser His
 180 185 190

Leu Thr Gly Asn Lys Ser Leu Ser Val Lys Leu Asn Ser Gly Leu Arg
 195 200 205

Thr Ser Gly Ser Pro Ala Leu Ser Leu Leu Ile Ile Leu Tyr Val Lys
 210 215 220

Leu Ser Leu Phe Val Val Ile Leu Val Thr Thr Gly Phe Val Phe Phe
 225 230 235 240

Gln Arg Ile Asn His Val Arg Lys Val Leu
 245 250

<210> 9

<211> 1085

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism:rodent; surmised
 mus musculus

<220>

<221> CDS

<222> (1)..(582)

<400> 9

aga ggc cag cct tcc tgc ata atg gcc tac aaa gta gaa aca aag gag 48
 Arg Gly Gln Pro Ser Cys Ile Met Ala Tyr Lys Val Glu Thr Lys Glu
 1 5 10 15

acc aat gaa acc tgc ttg ggc agg aac atc acc tgg gcc tcc aca cct 96

Thr Asn Glu Thr Cys Leu Gly Arg Asn Ile Thr Trp Ala Ser Thr Pro			
20	25	30	
gac cac att cct gac ctt cag atc agt gcg gtg gcc ctc cag cat gag			144
Asp His Ile Pro Asp Leu Gln Ile Ser Ala Val Ala Leu Gln His Glu			
35	40	45	
ggg aat tac tta tgt gag ata aca aca cct gaa ggg aat ttc cat aaa			192
Gly Asn Tyr Leu Cys Glu Ile Thr Thr Pro Glu Gly Asn Phe His Lys			
50	55	60	
gtc tat gac ctc caa gtg ctg gtg ccc cct gaa gta acc tac ttt ctc			240
Val Tyr Asp Leu Gln Val Leu Val Pro Pro Glu Val Thr Tyr Phe Leu			
65	70	75	80
ggg gaa aat aga act gca gtt tgt gag gca atg gca ggc aag cct gct			288
Gly Glu Asn Arg Thr Ala Val Cys Glu Ala Met Ala Gly Lys Pro Ala			
85	90	95	
gca cag atc tct tgg act cca gat ggg gac tgt gtc act aag agt gag			336
Ala Gln Ile Ser Trp Thr Pro Asp Gly Asp Cys Val Thr Lys Ser Glu			
100	105	110	
tca cac agc aat ggc act gtg act gtc agg agc act tgc cac tgg gag			384
Ser His Ser Asn Gly Thr Val Thr Val Arg Ser Thr Cys His Trp Glu			
115	120	125	
cag aac aat gtg tct gct gtg tcc tgc att gtc tct cat tcg act ggt			432
Gln Asn Asn Val Ser Ala Val Ser Cys Ile Val Ser His Ser Thr Gly			
130	135	140	
aat cag tct ctg tcc ata gaa ctg agt aga ggt acc acc agc acc acc			480
Asn Gln Ser Leu Ser Ile Glu Leu Ser Arg Gly Thr Thr Ser Thr Thr			
145	150	155	160
cct tcc ttg ctg acc att ctc tac gtg aaa atg gtc ctt ttg ggg att			528
Pro Ser Leu Leu Thr Ile Leu Tyr Val Lys Met Val Leu Leu Gly Ile			
165	170	175	
att ctt ctt aaa gtg gga ttt gct ttc ttc cag aag aga aat gtt acc			576
Ile Leu Leu Lys Val Gly Phe Ala Phe Phe Gln Lys Arg Asn Val Thr			
180	185	190	
aga aca tgaatatcca gatttctgga agtcattag tctgtatgaca cataccagaa			632
Arg Thr			
aacagcattt gtaatcaact ttctcattgg aatccagtt acccgccct gctgtttca			692
tgtttgttag acactcacct ccaaatttctt aactgagaag ggctcctgtc taaaggaaat			752
atggggacaa attgtggagc atagacaaaa agaaaggcca tccagagact gccccaccta			812
aggacccatc ccatatacag acaccaaacc cagacactac tgaagatgct gcbaagcggt			872
tgctgacagg agcctgttat agctgtctcc tgagaggctc agccagagcc tgacaaatac			932
ataggttagat gcttgcagcc aacaactgga ctgagcaaaa aatctccatt ggaggagtt			992
gagaaaggac tgaagaggggt gaaagggtt gcagccccat aggaagaaca acaatatacaa			1052
ccaaaccagat ctcccagagc tcccagggac taa			1085

<211> 194
<212> PRT
<213> Unknown

<400> 10
Arg Gly Gln Pro Ser Cys Ile Met Ala Tyr Lys Val Glu Thr Lys Glu
1 5 10 15

Thr Asn Glu Thr Cys Leu Gly Arg Asn Ile Thr Trp Ala Ser Thr Pro
20 25 30

Asp His Ile Pro Asp Leu Gln Ile Ser Ala Val Ala Leu Gln His Glu
35 40 45

Gly Asn Tyr Leu Cys Glu Ile Thr Thr Pro Glu Gly Asn Phe His Lys
50 55 60

Val Tyr Asp Leu Gln Val Leu Val Pro Pro Glu Val Thr Tyr Phe Leu
65 70 75 80

Gly Glu Asn Arg Thr Ala Val Cys Glu Ala Met Ala Gly Lys Pro Ala
85 90 95

Ala Gln Ile Ser Trp Thr Pro Asp Gly Asp Cys Val Thr Lys Ser Glu
100 105 110

Ser His Ser Asn Gly Thr Val Thr Val Arg Ser Thr Cys His Trp Glu
115 120 125

Gln Asn Asn Val Ser Ala Val Ser Cys Ile Val Ser His Ser Thr Gly
130 135 140

Asn Gln Ser Leu Ser Ile Glu Leu Ser Arg Gly Thr Thr Ser Thr Thr
145 150 155 160

Pro Ser Leu Leu Thr Ile Leu Tyr Val Lys Met Val Leu Leu Gly Ile
165 170 175

Ile Leu Leu Lys Val Gly Phe Ala Phe Phe Gln Lys Arg Asn Val Thr
180 185 190

Arg Thr

<210> 11
<211> 1354
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism:rodent; surmised
mus musculus

<220>
<221> CDS
<222> (42) .. (875)

<220>
<221> mat_peptide
<222> (117) .. (875)

<400> 11
ggcacgagtt acgatttgtg cttaacctga ctccactcca g atg cat gct ttg ggg 56

Met His Ala Leu Gly			
-25			
agg act ctg gct ttg atg tta ctc atc ttc atc act att ttg gtg cct			104
Arg Thr Leu Ala Leu Met Leu Leu Ile Phe Ile Thr Ile Leu Val Pro			
-20	-15	-10	-5
gag tca agt tgt tca gtg aaa gga cgg gag gag atc cca ccg gat gat			152
Glu Ser Ser Cys Ser Val Lys Gly Arg Glu Glu Ile Pro Pro Asp Asp			
-1	1	5	10
tca ttt cct ttt tca gat gat aat atc ttc cct gat gga gtg ggc gtc			200
Ser Phe Pro Phe Ser Asp Asp Asn Ile Phe Pro Asp Gly Val Gly Val			
15	20	25	
acc atg gag att gag att atc act cca gtg tct gta cag ata ggt atc			248
Thr Met Glu Ile Glu Ile Ile Thr Pro Val Ser Val Gln Ile Gly Ile			
30	35	40	
aag gct cag ctt ttc tgt cat cct agt cca tca aaa gaa gca aca ctt			296
Lys Ala Gln Leu Phe Cys His Pro Ser Pro Ser Lys Glu Ala Thr Leu			
45	50	55	60
aga ata tgg gaa ata act ccc aga gac tgg cct tcc tgc aga cta ccc			344
Arg Ile Trp Glu Ile Thr Pro Arg Asp Trp Pro Ser Cys Arg Leu Pro			
65	70	75	
tac aga gca gag ttg cag cag atc agt aaa aaa atc tgt act gag aga			392
Tyr Arg Ala Glu Leu Gln Gln Ile Ser Lys Lys Ile Cys Thr Glu Arg			
80	85	90	
gga acc act agg gtc cct gca cat cac cag agt tct gac ctt ccc atc			440
Gly Thr Thr Arg Val Pro Ala His His Gln Ser Ser Asp Leu Pro Ile			
95	100	105	
aaa tca atg gcc ctc aag cat gat ggg cat tac tca tgt cgg ata gaa			488
Lys Ser Met Ala Leu Lys His Asp Gly His Tyr Ser Cys Arg Ile Glu			
110	115	120	
aca aca gat ggg att ttc caa gag aga cat agc atc caa gtg cca ggg			536
Thr Thr Asp Gly Ile Phe Gln Glu Arg His Ser Ile Gln Val Pro Gly			
125	130	135	140
gaa aat aga act gta gtt tgt gag gca att gca agc aag cct gct atg			584
Glu Asn Arg Thr Val Val Cys Glu Ala Ile Ala Ser Lys Pro Ala Met			
145	150	155	
cag atc ttg tgg act cca gat gag gac tgt gtc act aag agt aaa tca			632
Gln Ile Leu Trp Thr Pro Asp Glu Asp Cys Val Thr Lys Ser Lys Ser			
160	165	170	
cac aat gac acc atg att gtc agg agc aag tgc cac agg gag aaa aac			680
His Asn Asp Thr Met Ile Val Arg Ser Lys Cys His Arg Glu Lys Asn			
175	180	185	
aat ggc cac agt gtg ttc tgc ttt atc tcc cat ttg act gat aac tgg			728
Asn Gly His Ser Val Phe Cys Phe Ile Ser His Leu Thr Asp Asn Trp			
190	195	200	
att ctc tcc atg gaa cag aat cga ggt aca acc agc atc ctg cct tcc			776
Ile Leu Ser Met Glu Gln Asn Arg Gly Thr Thr Ser Ile Leu Pro Ser			
205	210	215	220
ttg ctg agc att ctc tat gtg aaa ctg gct gta act gtt ctc atc gta			824

Leu	Leu	Ser	Ile	Leu	Tyr	Val	Lys	Leu	Ala	Val	Thr	Val	Leu	Ile	Val	
225							230							235		
gga	ttt	gct	ttt	ttc	cag	aag	aga	aat	tat	ttc	aga	gtg	cca	gaa	ggc	872
Gly	Phe	Ala	Phe	Phe	Gln	Lys	Arg	Asn	Tyr	Phe	Arg	Val	Pro	Glu	Gly	
240							245							250		
tcc	tgaggagagt	ggtctgtggt	taagatgaga	tttaccacca	tctgaaagac										925	
Ser																
atcttgtcta	ccgcgcagcg	tgctgagatt	ccgagaagca	gccacagaac	ctactaggaa	985										
gacaaatctg	atgtggttgt	caatccttgc	aatggacctg	agtacttcta	taaaccgcag	1045										
tgagggttgc	ctggacccag	gagccaggct	aggtcatata	tgttgatttt	tgctgcaaga	1105										
cctcatggtt	tatctacaaa	tcctaaattc	tttcacttcc	agttttaaaa	cttttggccc	1165										
aagcattta	tccacacgcat	aacaccttta	aagaaaactct	cccacggaaa	ctgctggttc	1225										
catggaatgg	aaaattgcaa	catggtttac	aagacagtgc	aaaccaagca	gcattccaag	1285										
atatgagctt	cagaaagtta	caggaactgt	cttgggacga	gaaagaagga	ttaaatagtt	1345										
cccgagtccc															1354	

<210> 12

<211> 278

<212> PRT

<213> Unknown

<400> 12

Met	His	Ala	Leu	Gly	Arg	Thr	Leu	Ala	Leu	Met	Leu	Leu	Ile	Phe	Ile
-25							-20				-15			-10	

Thr	Ile	Leu	Val	Pro	Glu	Ser	Ser	Cys	Ser	Val	Lys	Gly	Arg	Glu	Glu
														-5	5
														-1	1

Ile	Pro	Pro	Asp	Asp	Ser	Phe	Pro	Phe	Ser	Asp	Asp	Asn	Ile	Phe	Pro
10							15						20		

Asp	Gly	Val	Gly	Val	Thr	Met	Glu	Ile	Glu	Ile	Ile	Thr	Pro	Val	Ser
25							30					35			

Val	Gln	Ile	Gly	Ile	Lys	Ala	Gln	Leu	Phe	Cys	His	Pro	Ser	Pro	Ser
40							45				50			55	

Lys	Glu	Ala	Thr	Leu	Arg	Ile	Trp	Glu	Ile	Thr	Pro	Arg	Asp	Trp	Pro
60							65				70				

Ser	Cys	Arg	Leu	Pro	Tyr	Arg	Ala	Glu	Leu	Gln	Gln	Ile	Ser	Lys	Lys
75							80					85			

Ile	Cys	Thr	Glu	Arg	Gly	Thr	Thr	Arg	Val	Pro	Ala	His	His	Gln	Ser
90							95				100				

Ser	Asp	Leu	Pro	Ile	Lys	Ser	Met	Ala	Leu	Lys	His	Asp	Gly	His	Tyr
105							110				115				

Ser	Cys	Arg	Ile	Glu	Thr	Thr	Asp	Gly	Ile	Phe	Gln	Glu	Arg	His	Ser
120							125				130		135		

Ile Gln Val Pro Gly Glu Asn Arg Thr Val Val Cys Glu Ala Ile Ala

140

145

150

Ser Lys Pro Ala Met Gln Ile Leu Trp Thr Pro Asp Glu Asp Cys Val
155 160 165

Thr Lys Ser Lys Ser His Asn Asp Thr Met Ile Val Arg Ser Lys Cys
170 175 180

His Arg Glu Lys Asn Asn Gly His Ser Val Phe Cys Phe Ile Ser His
185 190 195

Leu Thr Asp Asn Trp Ile Leu Ser Met Glu Gln Asn Arg Gly Thr Thr
200 205 210 215

Ser Ile Leu Pro Ser Leu Leu Ser Ile Leu Tyr Val Lys Leu Ala Val
220 225 230

Thr Val Leu Ile Val Gly Phe Ala Phe Phe Gln Lys Arg Asn Tyr Phe
235 240 245

Arg Val Pro Glu Gly Ser
250

<210> 13

<211> 981

<212> DNA

<213> reverse translation

<220>

<221> misc_feature

<222> (1)..(981)

<223> n may be a, c, g, or t

<400> 13

atgytntgyt tytggmgnac nwsncaygtm gcngtnytny tnathtgggg ngtnttygcn 60
gcngarwsnw sntgycnnga yaaraaycar acnatgcara ayaaywsnws nacnatgacn 120
gargtnaaya cnacngtntt ygtncaratg ggnaaraarg cnytnytny ytgyccnwsn 180
athwsnytna cnaargtnat hytnathacn tggacnatha cnytnmgngg ncarrccnwsn 240
tgyathathw sntayaargc ngayacnmgn garacncayg arwsnaaytg ywsngaymgn 300
wsnathacnt gggcnwsnac nccngayytm gcncngayy tncarathws ngcngtngcn 360
ytnccarcayg arggnmgnta ywsntgygay athgcngtnc cngayggnaa yttycaraay 420
athtaygayy tncargtnyt ngtncncnccn gartnacnc ayttycnngg ngaraaymgn 480
acngcngtnt gygargcnat hgcnngnaar ccngcngcnc arathwsntg gacnccngay 540
ggngaytgyg tngcnaaraa ygarwsncay wsnaayggna cngtnacngt nmgnwsnacn 600
tgycaytggg arcarwsnca ygtnwsgtn gtnttytgyg tngtnwsnca yytnacnacn 660
ggnaaycarw snytnwsnat hgarytnngn mgnggngng aycarytnyt nggnwsntay 720
athcartaya thathccnws nathathath ytnathatha thggntgyat htgyytnyt 780
aarathwsng gntgymgnnaa rtgyaarytn ccnaarwsng gngcnacncc ngayathgar 840
gargaygara tgcarccnta ygcnwsntay acngaraarw snaayccnyt ntaygayacn 900

gtnacnacna cngargcnca yccngcnwsn carggnaarg tnaaygggnac ngaytgyytn 960
acnytnwsng cnatgggnat h 981

<210> 14
<211> 885
<212> DNA
<213> reverse translation

<220>
<221> misc_feature
<222> (1)..(885)
<223> n may be a, c, g, or t

<400> 14
atgytntgyc cntggmgnac ngcnaayytn ggnytnytny tnathytnac nathettytn 60
gtngcngarg cngarggngc ngcncarccn aayaaywsny tnatgytnca racnwsnaar 120
garaaycayg cnytngcnws nwsnwsnytn tgyatggayg araarcarat hacncaraay 180
taywsnaarg tnytngcnga rgtnaayacn wsntggccng tnaaratggc nacnaaygcn 240
gtnytntgyt gyccnccnat hgcnytnmgn aayytnatha thathacntg ggarathath 300
ytnmgnggnc arccnwsntg yacnaargcn tayaaraarg aracnaayga racnaargar 360
acnaaytgya cngaygarmg nathacntgg gtnwsnmgnc cngaycaraa ywsngayytn 420
carathmgna cngtngcnat hacncaygay ggntaytaym gntgyathat ggtacnccn 480
gayggnaayt tycaymngg ntaycayytn cargtnytn tnaacnccnga rgtacnnytn 540
ttypcaraaym gnaaymgnac ngcngtntgy aargcngtng cnggnaarcc ngcngcncay 600
athwsntgga thccngargg ngaytgygcn acnaarcarg artaytggws naayggnacl 660
gtnacngtta arwsnacntg ycaytggar gtnacnaytgn nacntgycay 720
gtnwsncayy tnaacngnaa yaarwsnytn tayathgary tnytncngt nccnggngcn 780
aaraarathw snaarathat htaywsnath taycayccnt aytaytayta yytngaycay 840
mnggnathc ayytngtngt ngarwsncar tggycara arath 885

<210> 15
<211> 978
<212> DNA
<213> reverse translation

<220>
<221> misc_feature
<222> (1)..(978)
<223> n may be a, c, g, or t

<400> 15
atgttytgyt tytggmgnac nwsngcnytn gcngtnytny tnathtgccc ngtnttgytn 60
gcnggnwsnw sntgyacnga yaaraaycar acnacncara ayaaywsnws nwsnccnytn 120
acncargtta ayacnacngt nwsngtncar athggnacna argcnytny ntgytgyt 180

wsnathccny tnacnaargc ngtnytnath acntggatha thaarytnmg nggnytnccn 240
wsntgyacna thgcntayaa rgtngayacn aaracnaayg aracnwsntg yytnngnmgn 300
aayathacnt gggcnwsnac nccngaycay wsncncngary tncarathws ngcngtnacn 360
ytnccarcayg arggnacnta yacntgygar acngtnacnc cngarggnaa yttygaraar 420
aaytaygayy tncargtnyt ngtnccnccn gargtnacnt ayttycnnga raaraaymgn 480
wsngcngtnt gygargcnat ggcnggnaar ccngcngcnc arathwsntg gwsncncngay 540
ggngaytgyg tnacnacnws ngarwsncay wsnaayggna cngtnacngt nmgnwsnacn 600
tgycaytggg arcaraayaa ygttnwsngay gtnwsntgya thgttnwsnca yytnacnggn 660
aaycarwsny tnwsnathga rytnwsnmgn ggnggnaayc arwsnytnmg nccntayath 720
ccntayatha thccnwsnat hathathytn athathathg gntgyathtg yytnytnaar 780
athwsnggnt tymgnaartg yaarytnccn aarytngarg cnacnwsngc nathgargar 840
gaygaratgc arcctaygc nwsntayacn garaarwsna ayccnytna ygayaingtn 900
acnaargtng argcnttycc ngtnwsncar ggngargtna ayggnaacnnga ytgyytnacn 960
ytnwsngcna thggnath

978

<210> 16
<211> 750
<212> DNA
<213> reverse translation

<220>
<221> misc_feature
<222> (1)..(750)
<223> n may be a, c, g, or t

<400> 16
atggnggna arcaratgac ncaraaytay wsnacnatht tygcngargg naayathwsn 60
carccngtny tnatggayat haaygcngtn ytntgytgyc cnccnathgc nytnmgnaay 120
ytnathatha thacntggga rathathytn mgnggnarc cnwsntgyac naargcntay 180
aaraargara cnaaygarac naargaracn aaytgyacng tngarmgnat hacntggtn 240
wsnmgnccng aycaraayws ngayytnacn athmgnccng tngayacnac ncaygayggn 300
taytaymgng gnathgtngt nacnccngay ggnayttc aymgnggnta ycayytnacn 360
gtnytngtna cnccngargt naayytntt carwsnmgna ayathacngc ngtnytnaar 420
gcngtnacng gnaarcnccngc ngcncarath wsntggathc cngarggnws nathytnngcn 480
acnaarcarg artaytgggg naayggnacl gtnacngtna arwsnacntg yccntgggar 540
ggncayaarw snacngtnac ntgycaygtn wsncayytna cnggnaayaa rwsnytnwsn 600
gtnaarytna aywsnggnyt nmgnacnwsn ggnwsnccng cnytnwsnyt nytnathath 660
ytnaytngtna arytnwsnyt nttygtngtn athytnytna cnacngntt ygtnttayt 720

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<210> 17
<211> 582
<212> DNA
<213> reverse translation

<220>
<221> misc_feature
<222> (1)..(582)
<223> n may be a, c, g, or t

<400> 17
mnggnncarc cnwsntgyat hatggcntay aargtngara cnaargarac naaygaracn 60
tgyytnggnm gnaayathac ntgggcnwsn acnccngayc ayathccnga yytnkarath 120
wsngcngtng cnytncarca ygarggnaay tayytntgyg arathacnac nccngarggn 180
aayttycaya argtntayga yytnccargtn ytngtnccnc cngargtnac ntayttyytn 240
ggngaraaym gnacngcngt ntgygargcn atggcnggna arccngcngc ncarathwsn 300
tggacnccng ayggngaytg ygttnacnaar wsngarwsnc aywsnaaygg nacngtnacn 360
gtngmgnwsna cntgycaytg ggarcaraaay aaygtnwsgn cngtnwsntg yathgtnwsn 420
caywsnacng gnaaycarws nytnwsnath garytnwsnm gnggnacnac nwsnacnacn 480
ccnwsnytny tnacnathyt ntaygtnaar atggtnytny tnggnathat hytnytnaar 540
gtngnttyg cnttyttyca raarmgnaay gtnacnmgna cn 582

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<210> 18
<211> 834
<212> DNA
<213> reverse translation

<220>
<221> misc_feature
<222> (1)..(834)
<223> n may be a, c, g, or t

<400> 18
atgcaygcny tnggnmgnac nytngcnytn atgytnytna thttyathac nathytngt 60
ccngarwsnw sntgywsngt naarggnmgn gargarathc cnccngayga ywsnttccn 120
ttywsngayg ayaayathtt yccngayggn gtnggngtta cnatggarat hgarathath 180
acnccngtnw sngtncarat hgnathaaar gcncarytnt tytgycaycc nwsnccnwsn 240
aargargcna cnytnmgnat htgggarath acnccnmng aytggccnws ntgymgnyn 300
ccntaymngc cngarytnca rcarathwsn aaraaratht gyacngarmg nggnacnacn 360
mngntnccng cncaycayca rwsnwsngay ytnccnatha arwsnatggc nytnaarcay 420
gayggncayt aywsntgymg nathgaracn acngayggna thttypcarga rmgnccaywsn 480
athcargtnc cngngaraa ymgnacngtn gtntgygarg cnathgcnws naarccngcn 540

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atgcarathy tntggacncc ngaygargay tgygtnacna arwsnaarws ncayaaygay 600
 acnatgathg tnmgnwsnaa rtgycaymgn garaaraaya ayggncayws ngtnttytgy 660
 ttyathwsnc ayytnacnga yaaytggath ytnwsnatgg arcaraaymg nggnacnacn 720
 wsnathytna cnwsnytnyt nwsnathytn taygtnaary tngcngtnac ngtnytnath 780
 gtnggnttyg cnttyttyca raarmgnaay taytymgng tnccngargg nwsn 834

<210> 19
 <211> 1047
 <212> DNA
 <213> Unknown

<220>
 <223> Description of Unknown Organism:primate; surmised
 homo sapiens

<220>
 <221> CDS
 <222> (1)..(1044)

<220>
 <221> mat_peptide
 <222> (79)..(1044)

<400> 19 48
 atg ctc tgc cct tgg aga act gct aac cta ggg cta ctg ttg att ttg
 Met Leu Cys Pro Trp Arg Thr Ala Asn Leu Gly Leu Leu Leu Ile Leu
 -25 -20 -15

act atc ttc tta gtg gcc gaa gcg gag ggt gct gct caa cca aac aac 96
 Thr Ile Phe Leu Val Ala Glu Ala Glu Gly Ala Ala Gln Pro Asn Asn
 -10 -5 -1 1 5

tca tta atg ctg caa act agc aag gag aat cat gct tta gct tca agc 144
 Ser Leu Met Leu Gln Thr Ser Lys Glu Asn His Ala Leu Ala Ser Ser
 10 15 20

agt tta tgt atg gat gaa aaa cag att aca cag aac tac tcg aaa gta 192
 Ser Leu Cys Met Asp Glu Lys Gln Ile Thr Gln Asn Tyr Ser Lys Val
 25 30 35

ctc gca gaa gtt aac act tca tgg cct gta aag atg gct aca aat gct 240
 Leu Ala Glu Val Asn Thr Ser Trp Pro Val Lys Met Ala Thr Asn Ala
 40 45 50

gtg ctt tgt tgc cct atc gca tta aga aat ttg atc ata ata aca 288
 Val Leu Cys Cys Pro Pro Ile Ala Leu Arg Asn Leu Ile Ile Ile Thr
 55 60 65 70

tgg gaa ata atc ctg aga ggc cag cct tcc tgc aca aaa gcc tac agg 336
 Trp Glu Ile Ile Leu Arg Gly Gln Pro Ser Cys Thr Lys Ala Tyr Arg
 75 80 85

aaa gaa aca aat gag acc aag gaa acc aac tgt act gat gag aga ata 384
 Lys Glu Thr Asn Glu Thr Lys Glu Thr Asn Cys Thr Asp Glu Arg Ile
 90 95 100

acc tgg gtc tcc aga cct gat cag aat tcg gac ctt cag att cgt cca 432
 Thr Trp Val Ser Arg Pro Asp Gln Asn Ser Asp Leu Gln Ile Arg Pro

105	110	115	
gtg gcc atc act cat gac ggg tat tac aga tgc ata atg gta aca cct			480
Val Ala Ile Thr His Asp Gly Tyr Tyr Arg Cys Ile Met Val Thr Pro			
120	125	130	
gat ggg aat ttc cat cgt gga tat cac ctc caa gtg tta gtt aca cct			528
Asp Gly Asn Phe His Arg Gly Tyr His Leu Gln Val Leu Val Thr Pro			
135	140	145	150
gaa gtg acc ctg ttt caa aac agg aat aga act gca gta tgc aag gca			576
Glu Val Thr Leu Phe Gln Asn Arg Asn Arg Thr Ala Val Cys Lys Ala			
155	160	165	
gtt gca ggg aag cca gct gcg cag atc tcc tgg atc cca gag ggc gat			624
Val Ala Gly Lys Pro Ala Ala Gln Ile Ser Trp Ile Pro Glu Gly Asp			
170	175	180	
tgt gcc act aag caa gaa tac tgg agc aat ggc aca gtg act gtt aag			672
Cys Ala Thr Lys Gln Glu Tyr Trp Ser Asn Gly Thr Val Thr Val Lys			
185	190	195	
agt aca tgc cac tgg gag gtc cac aat gtg tct acc gtg acc tgc cac			720
Ser Thr Cys His Trp Glu Val His Asn Val Ser Thr Val Thr Cys His			
200	205	210	
gtc tcc cat ttg act ggc aac aag agt ctg tac ata gag cta ctt cct			768
Val Ser His Leu Thr Gly Asn Lys Ser Leu Tyr Ile Glu Leu Leu Pro			
215	220	225	230
gtt cca ggt gcc aaa aaa tca gca aaa tta tat att cca tat atc atc			816
Val Pro Gly Ala Lys Lys Ser Ala Lys Leu Tyr Ile Pro Tyr Ile Ile			
235	240	245	
ctt act att att ttg acc atc gtg gga ttc att tgg ttg ttg aaa			864
Leu Thr Ile Ile Leu Thr Ile Val Gly Phe Ile Trp Leu Leu Lys			
250	255	260	
gtc aat ggc tgc aga aaa tat aaa ttg aat aaa aca gaa tct act cca			912
Val Asn Gly Cys Arg Lys Tyr Lys Leu Asn Lys Thr Glu Ser Thr Pro			
265	270	275	
gtt gtt gag gag gat gaa atg cag ccc tat gcc agc tac aca gag aag			960
Val Val Glu Glu Asp Glu Met Gln Pro Tyr Ala Ser Tyr Thr Glu Lys			
280	285	290	
aac aat cct ctc tat gat act aca aac aag gtg aag gca tct cag gca			1008
Asn Asn Pro Leu Tyr Asp Thr Asn Lys Val Lys Ala Ser Gln Ala			
295	300	305	310
tta caa agt gaa gtt gac aca gac ctc cat act tta taa			1047
Leu Gln Ser Glu Val Asp Thr Asp Leu His Thr Leu			
315	320		

<210> 20
 <211> 348
 <212> PRT
 <213> Unknown

<400> 20
 Met Leu Cys Pro Trp Arg Thr Ala Asn Leu Gly Leu Leu Leu Ile Leu
 -25 -20 -15

Thr Ile Phe Leu Val Ala Glu Ala Glu Gly Ala Ala Gln Pro Asn Asn
 -10 -5 -1 1 5

Ser Leu Met Leu Gln Thr Ser Lys Glu Asn His Ala Leu Ala Ser Ser
 10 15 20

Ser Leu Cys Met Asp Glu Lys Gln Ile Thr Gln Asn Tyr Ser Lys Val
 25 30 35

Leu Ala Glu Val Asn Thr Ser Trp Pro Val Lys Met Ala Thr Asn Ala
 40 45 50

Val Leu Cys Cys Pro Pro Ile Ala Leu Arg Asn Leu Ile Ile Ile Thr
 55 60 65 70

Trp Glu Ile Ile Leu Arg Gly Gln Pro Ser Cys Thr Lys Ala Tyr Arg
 75 80 85

Lys Glu Thr Asn Glu Thr Lys Glu Thr Asn Cys Thr Asp Glu Arg Ile
 90 95 100

Thr Trp Val Ser Arg Pro Asp Gln Asn Ser Asp Leu Gln Ile Arg Pro
 105 110 115

Val Ala Ile Thr His Asp Gly Tyr Tyr Arg Cys Ile Met Val Thr Pro
 120 125 130

Asp Gly Asn Phe His Arg Gly Tyr His Leu Gln Val Leu Val Thr Pro
 135 140 145 150

Glu Val Thr Leu Phe Gln Asn Arg Asn Arg Thr Ala Val Cys Lys Ala
 155 160 165

Val Ala Gly Lys Pro Ala Ala Gln Ile Ser Trp Ile Pro Glu Gly Asp
 170 175 180

Cys Ala Thr Lys Gln Glu Tyr Trp Ser Asn Gly Thr Val Thr Val Lys
 185 190 195

Ser Thr Cys His Trp Glu Val His Asn Val Ser Thr Val Thr Cys His
 200 205 210

Val Ser His Leu Thr Gly Asn Lys Ser Leu Tyr Ile Glu Leu Leu Pro
 215 220 225 230

Val Pro Gly Ala Lys Lys Ser Ala Lys Leu Tyr Ile Pro Tyr Ile Ile
 235 240 245

Leu Thr Ile Ile Ile Leu Thr Ile Val Gly Phe Ile Trp Leu Leu Lys
 250 255 260

Val Asn Gly Cys Arg Lys Tyr Lys Leu Asn Lys Thr Glu Ser Thr Pro
 265 270 275

Val Val Glu Glu Asp Glu Met Gln Pro Tyr Ala Ser Tyr Thr Glu Lys
 280 285 290

Asn Asn Pro Leu Tyr Asp Thr Thr Asn Lys Val Lys Ala Ser Gln Ala
 295 300 305 310

Leu Gln Ser Glu Val Asp Thr Asp Leu His Thr Leu
 315 320

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<210> 21
<211> 1044
<212> DNA
<213> reverse translation

<220>
<221> misc_feature
<222> (1)..(1044)
<223> n may be a, c, g, or t

<400> 21
atgytntgyc cntggmgnac ngcnaayytn ggnytnytny tnathytnac nathttyytn 60
gtngcngarg cngarggngc ngcncarccn aayaaywsny tnatgynca racnwsnaar 120
garaaycayg cnytngcnws nwsnwsnytn tgyatggayg araarcarat hacncaraay 180
taywsnaarg tnytngcnga rgtnaayacn wsntggccng tnaaratggc nacnaaygcn 240
gtnytntgyt gyccnccnat hgcnytnmgn aayytnatha thathacntg ggarathath 300
ytnmgnggnc arccnwsntg yacnaargcn taymgnnaarg aracnaayga racnaargar 360
acnaaytgya cngaygarmg nathacntgg gtnwsnmgnac cngaycaraa ywsngayytn 420
carathmgnc cngtngcnat hacncaygay ggntaytaym gntgyathat ggtacnccn 480
gayggnayt tycaymngg ntaycayytn cargtnytn tnaacnccnga rgtnacnytn 540
ttypcaraaym gnaaymgnac ngcngtntgy aargcngtng cnggnaarcc ngcngcncar 600
athwsntgga thccngargg ngaytgygcn acnaarcarg artaytggws naayggnacn 660
gtnacngttna arwsnacntg ycaytggar gtncayaayg tnwsnacngt nacntgycay 720
gtnwsncayy tnaacngnaa yaarwsnytn tayathgary tnytnccngt nccnggngcn 780
aaraarwsng cnaarytna yathccntay athathytna cnathathat hytnacnath 840
gtnggnntya thtggynyt naargtnaay ggntgymgna artayaaryt naayaaracn 900
garwsnacnc cngtngtnga rgargaygar atgcarccnt aygcnwsnta yacngaraar 960
aayaayccny tntaygayac nacnaayaar gtnaargcnw sncargcnyt ncarwsngar 1020
gtngayacng ayytncayac nytn                                         1044

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<210> 22
<211> 813
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism:rodent; surmised
      mus musculus

<220>
<221> CDS
<222> (1)..(810)

<220>
<221> mat_peptide

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<222> (76)..(810)

<400> 22
atg cat gct ctg ggg agg att ccg act ttg act ttg ctg atc ttc atc 48
Met His Ala Leu Gly Arg Ile Pro Thr Leu Thr Leu Leu Ile Phe Ile
-25 -20 -15 -10

aat att ttt gtg tct ggg tca agt tgt act gat gag aat caa aca ata 96
Asn Ile Phe Val Ser Gly Ser Ser Cys Thr Asp Glu Asn Gln Thr Ile
-5 -1 1 5

cag aat gac agt tca tct tct ctg aca caa gtt aac act aca atg tct 144
Gln Asn Asp Ser Ser Ser Leu Thr Gln Val Asn Thr Thr Met Ser
10 15 20

gta cag atg gat aaa aag gct ctg ctc tgc tgc ttt tct agt cca ctg 192
Val Gln Met Asp Lys Lys Ala Leu Leu Cys Cys Phe Ser Ser Pro Leu
25 30 35

ata aat gca gta tta atc aca tgg ata ata aaa cac aga cac ctg cct 240
Ile Asn Ala Val Leu Ile Thr Trp Ile Ile Lys His Arg His Leu Pro
40 45 50 55

tcc tgc aca ata gca tac aac cta gat aaa aag acc aat gaa acc agc 288
Ser Cys Thr Ile Ala Tyr Asn Leu Asp Lys Lys Thr Asn Glu Thr Ser
60 65 70

tgc ttg ggc agg aac atc acc tgg gcc tcc aca cct gac cac agt cct 336
Cys Leu Gly Arg Asn Ile Thr Trp Ala Ser Thr Pro Asp His Ser Pro
75 80 85

gaa ctt cag atc agt gca gtg gcc ctc cag cat gag ggg act tac aca 384
Glu Leu Gln Ile Ser Ala Val Ala Leu Gln His Glu Gly Thr Tyr Thr
90 95 100

tgt gag ata gta aca cct gaa ggg aat tta gaa aaa gtc tat gac ctc 432
Cys Glu Ile Val Thr Pro Glu Gly Asn Leu Glu Lys Val Tyr Asp Leu
105 110 115

caa gtg ctg gtg ccc cct gag gta acc tac ttt cca ggg aaa aac aga 480
Gln Val Leu Val Pro Pro Glu Val Thr Tyr Phe Pro Gly Lys Asn Arg
120 125 130 135

act gca gtc tgt gag gca atg gca ggc aag cct gct gca cag atc tct 528
Thr Ala Val Cys Glu Ala Met Ala Gly Lys Pro Ala Ala Gln Ile Ser
140 145 150

tgg act cca gat ggg gac tgt gtc act aag agt gag tca cac agc aat 576
Trp Thr Pro Asp Gly Asp Cys Val Thr Lys Ser Glu Ser His Ser Asn
155 160 165

ggc act gtg act gtc agg agc acg tgc cac tgg gag cag aac aat gtg 624
Gly Thr Val Thr Val Arg Ser Thr Cys His Trp Glu Gln Asn Asn Val
170 175 180

tct gtt gtg tcc tgc tta gtc tct cat tcg act ggt aat cag tct ctg 672
Ser Val Val Ser Cys Leu Val Ser His Ser Thr Gly Asn Gln Ser Leu
185 190 195

tcc ata gaa ctg agt caa ggt aca atg acc acc ccc cgt tcc ttg ctg 720
Ser Ile Glu Leu Ser Gln Gly Thr Met Thr Pro Arg Ser Leu Leu
200 205 210 215

acc att ctc tat gtg aaa atg gcc ctt ttg gtg att att ctt ctt aac 768
 Thr Ile Leu Tyr Val Lys Met Ala Leu Leu Val Ile Ile Leu Leu Asn
 220 225 230

 gta gga ttt gct ttc ttc cag aag aga aat ttt gcc aga aca tga 813
 Val Gly Phe Ala Phe Phe Gln Lys Arg Asn Phe Ala Arg Thr
 235 240 245

 <210> 23
 <211> 270
 <212> PRT
 <213> Unknown

 <400> 23
 Met His Ala Leu Gly Arg Ile Pro Thr Leu Thr Leu Leu Ile Phe Ile
 -25 -20 -15 -10

 Asn Ile Phe Val Ser Gly Ser Ser Cys Thr Asp Glu Asn Gln Thr Ile
 -5 -1 1 5

 Gln Asn Asp Ser Ser Ser Leu Thr Gln Val Asn Thr Thr Met Ser
 10 15 20

 Val Gln Met Asp Lys Lys Ala Leu Leu Cys Cys Phe Ser Ser Pro Leu
 25 30 35

 Ile Asn Ala Val Leu Ile Thr Trp Ile Ile Lys His Arg His Leu Pro
 40 45 50 55

 Ser Cys Thr Ile Ala Tyr Asn Leu Asp Lys Lys Thr Asn Glu Thr Ser
 60 65 70

 Cys Leu Gly Arg Asn Ile Thr Trp Ala Ser Thr Pro Asp His Ser Pro
 75 80 85

 Glu Leu Gln Ile Ser Ala Val Ala Leu Gln His Glu Gly Thr Tyr Thr
 90 95 100

 Cys Glu Ile Val Thr Pro Glu Gly Asn Leu Glu Lys Val Tyr Asp Leu
 105 110 115

 Gln Val Leu Val Pro Pro Glu Val Thr Tyr Phe Pro Gly Lys Asn Arg
 120 125 130 135

 Thr Ala Val Cys Glu Ala Met Ala Gly Lys Pro Ala Ala Gln Ile Ser
 140 145 150

 Trp Thr Pro Asp Gly Asp Cys Val Thr Lys Ser Glu Ser His Ser Asn
 155 160 165

 Gly Thr Val Thr Val Arg Ser Thr Cys His Trp Glu Gln Asn Asn Val
 170 175 180

 Ser Val Val Ser Cys Leu Val Ser His Ser Thr Gly Asn Gln Ser Leu
 185 190 195

 Ser Ile Glu Leu Ser Gln Gly Thr Met Thr Thr Pro Arg Ser Leu Leu
 200 205 210 215

 Thr Ile Leu Tyr Val Lys Met Ala Leu Leu Val Ile Ile Leu Leu Asn
 220 225 230

 Val Gly Phe Ala Phe Phe Gln Lys Arg Asn Phe Ala Arg Thr

<210> 24
 <211> 810
 <212> DNA
 <213> reverse translation

<220>
 <221> misc_feature
 <222> (1)..(810)
 <223> n may be a, c, g, or t

<400> 24
 atgcaygcny tnggnmgnat hccnacnytn acnytnytna thtthyathaa yathttygtn 60
 wsnggnwsnw sntgyacnga ygaraaycar acnathcara ayygaywsnws nwsnwsnytn 120
 acncargtna ayacnacnat gwsngtncar atggayaara argcnytnyt ntgytgytty 180
 wsnwsnccny tnathaaygc ngtnytnath acntggatha thaarcaymg ncayytnccn 240
 wsntgyacna thgcntayaa ytngayaara aaracnaayg aracnwsntg yytnggnmgn 300
 aayathacnt gggcnwsnac nccngaycay wsncngary tncarathws ncngtngcn 360
 ytnccarcayg arggnacnta yacntgygar athgtnacnc cngarggnaa yytngaraar 420
 gtntaygayy tncargtnyt ngtnccnccn gartgnacnt ayttycnngg naaraaymgn 480
 acngcngtnt gygargcnat ggcnngnaar ccngcngcnc arathwsntg gacnccngay 540
 ggnngaytgyg tnacnaarws ngarwsncay wsnaayggna cngtnacngt nmgnwsnacn 600
 tgycaytggg arcaraayaa ygtwnsngtn gtnwsntggy tngtnwsnca ywsnacnggn 660
 aaycarwsny tnwsnathga rytnwsncar ggnacnatga cnacnccnmg nwsnytnytn 720
 acnathytn aygttaarat ggcnytnytn gtnathathy tnytnaaygt ngnttgcn 780
 ttyttypara armgnaaytt ygcnmgnacn 810

<210> 25
 <211> 34
 <212> PRT
 <213> Mus musculus

<400> 25
 Met Phe Cys Phe Trp Arg Thr Ser Ala Leu Ala Val Leu Leu Ile Trp
 1 5 10 15
 Gly Val Phe Val Ala Gly Ser Ser Cys Thr Asp Lys Asn Gln Thr Thr
 20 25 30
 Gln Asn

<210> 26
 <211> 34
 <212> PRT
 <213> Rattus rattus

<400> 26
 Met Leu Cys Phe Trp Arg Thr Ser His Val Ala Val Leu Leu Ile Trp

1 5 10 15
Gly Val Phe Ala Ala Glu Ser Ser Cys Pro Asp Lys Asn Gln Thr Met
20 25 30
Gln Asn

<210> 27
<211> 60
<212> PRT
<213> Homo sapiens

<400> 27
Met Leu Cys Pro Trp Arg Thr Ala Asn Leu Gly Leu Leu Leu Ile Leu
1 5 10 15
Thr Ile Phe Leu Val Ala Glu Ala Glu Gly Ala Ala Gln Pro Asn Asn
20 25 30
Ser Leu Met Leu Gln Thr Ser Lys Glu Asn His Ala Leu Ala Ser Ser
35 40 45
Ser Leu Cys Met Asp Glu Lys Gln Ile Thr Gln Asn
50 55 60

<210> 28
<211> 9
<212> PRT
<213> Homo sapiens

<400> 28
Met Gly Gly Lys Gln Met Thr Gln Asn
1 5

<210> 29
<211> 59
<212> PRT
<213> Mus musculus

<400> 29
Asn Ser Ser Ser Pro Leu Thr Gln Val Asn Thr Thr Val Ser Val Gln
1 5 10 15
Ile Gly Thr Lys Ala Leu Leu Cys Cys Phe Ser Ile Pro Leu Thr Lys
20 25 30
Ala Val Leu Ile Thr Trp Ile Ile Lys Leu Arg Gly Leu Pro Ser Cys
35 40 45
Thr Ile Ala Tyr Lys Val Asp Thr Lys Thr Asn
50 55

<210> 30
<211> 59
<212> PRT
<213> Rattus rattus

<400> 30
Asn Ser Ser Thr Met Thr Glu Val Asn Thr Thr Val Phe Val Gln Met
1 5 10 15
Gly Lys Lys Ala Leu Leu Cys Cys Pro Ser Ile Ser Leu Thr Lys Val
20 25 30
Ile Leu Ile Thr Trp Thr Ile Thr Leu Arg Gly Gln Pro Ser Cys Ile
35 40 45
Ile Ser Tyr Lys Ala Asp Thr Arg Glu Thr His
50 55

<210> 31
<211> 18
<212> PRT
<213> Homo sapiens

<400> 31
Arg Gly Gln Pro Ser Cys Ile Met Ala Tyr Lys Val Glu Thr Lys Glu
1 5 10 15
Thr Asn

<210> 32
<211> 59
<212> PRT
<213> Homo sapiens

<400> 32
Tyr Ser Lys Val Leu Ala Glu Val Asn Thr Ser Trp Pro Val Lys Met
1 5 10 15
Ala Thr Asn Ala Val Leu Cys Cys Pro Pro Ile Ala Leu Arg Asn Leu
20 25 30
Ile Ile Ile Thr Trp Glu Ile Ile Leu Arg Gly Gln Pro Ser Cys Thr
35 40 45
Lys Ala Tyr Lys Glu Thr Asn Glu Thr Lys
50 55

<210> 33
<211> 59
<212> PRT
<213> Homo sapiens

<400> 33
Tyr Ser Thr Ile Phe Ala Glu Gly Asn Ile Ser Gln Pro Val Leu Met
1 5 10 15
Asp Ile Asn Ala Val Leu Cys Cys Pro Pro Ile Ala Leu Arg Asn Leu
20 25 30
Ile Ile Ile Thr Trp Glu Ile Ile Leu Arg Gly Gln Pro Ser Cys Thr
35 40 45
Lys Ala Tyr Lys Glu Thr Asn Glu Thr Lys
50 55

<210> 34
<211> 60
<212> PRT
<213> Mus musculus

<400> 34
Glu Thr Ser Cys Leu Gly Arg Asn Ile Thr Trp Ala Ser Thr Pro Asp
1 5 10 15
His Ser Pro Glu Leu Gln Ile Ser Ala Val Thr Leu Gln His Glu Gly
20 25 30
Thr Tyr Thr Cys Glu Thr Val Thr Pro Glu Gly Asn Phe Glu Lys Asn
35 40 45
Tyr Asp Leu Gln Val Leu Val Pro Pro Glu Val Thr
50 55 60

<210> 35
<211> 60
<212> PRT

<213> Rattus rattus

<400> 35

Glu	Ser	Asn	Cys	Ser	Asp	Arg	Ser	Ile	Thr	Trp	Ala	Ser	Thr	Pro	Asp
1				5					10					15	
Leu	Ala	Pro	Asp	Leu	Gln	Ile	Ser	Ala	Val	Ala	Leu	Gln	His	Glu	Gly
						20			25				30		
Arg	Tyr	Ser	Cys	Asp	Ile	Ala	Val	Pro	Asp	Gly	Asn	Phe	Gln	Asn	Ile
					35			40			45				
Tyr	Asp	Leu	Gln	Val	Leu	Val	Pro	Pro	Glu	Val	Thr				
				50		55				60					

<210> 36

<211> 59

<212> PRT

<213> Mus musculus

<400> 36

Glu	Thr	Cys	Leu	Gly	Arg	Asn	Ile	Thr	Trp	Ala	Ser	Thr	Pro	Asp	His
1				5					10				15		
Ile	Pro	Asp	Leu	Gln	Ile	Ser	Ala	Val	Ala	Leu	Gln	His	Glu	Gly	Asn
					20			25				30			
Tyr	Leu	Cys	Glu	Ile	Thr	Thr	Pro	Glu	Gly	Asn	Phe	His	Lys	Val	Tyr
				35			40			45					
Asp	Leu	Gln	Val	Leu	Val	Pro	Pro	Glu	Val	Thr					
				50		55									

<210> 37

<211> 60

<212> PRT

<213> Homo sapiens

<400> 37

Glu	Thr	Asn	Cys	Thr	Asp	Glu	Arg	Ile	Thr	Trp	Val	Ser	Arg	Pro	Asp
1					5					10			15		
Gln	Asn	Ser	Asp	Leu	Gln	Ile	Arg	Thr	Val	Ala	Ile	Thr	His	Asp	Gly
						20			25			30			
Tyr	Tyr	Arg	Cys	Ile	Met	Val	Thr	Pro	Asp	Gly	Asn	Phe	His	Arg	Gly
				35			40			45					
Tyr	His	Leu	Gln	Val	Leu	Val	Thr	Pro	Glu	Val	Thr				
				50		55				60					

<210> 38

<211> 60

<212> PRT

<213> Homo sapiens

<400> 38

Glu	Thr	Asn	Cys	Thr	Val	Glu	Arg	Ile	Thr	Trp	Val	Ser	Arg	Pro	Asp
1						5				10			15		
Gln	Asn	Ser	Asp	Leu	Gln	Ile	Arg	Pro	Val	Asp	Thr	Thr	His	Asp	Gly
						20			25			30			
Tyr	Tyr	Arg	Gly	Ile	Val	Val	Thr	Pro	Asp	Gly	Asn	Phe	His	Arg	Gly
				35			40			45					
Tyr	His	Leu	Gln	Val	Leu	Val	Thr	Pro	Glu	Val	Asn				
				50		55				60					

<210> 39

<211> 59

<212> PRT

<213> Mus musculus

<400> 39
Tyr Phe Pro Glu Lys Asn Arg Ser Ala Val Cys Glu Ala Met Ala Gly
1 5 10 15
Lys Pro Ala Ala Gln Ile Ser Trp Ser Pro Asp Gly Asp Cys Val Thr
20 25 30
Thr Ser Glu Ser His Ser Asn Gly Thr Val Thr Val Arg Ser Thr Cys
35 40 45
His Trp Glu Gln Asn Asn Val Ser Asp Val Ser
50 55

<210> 40

<211> 59

<212> PRT

<213> Rattus rattus

<400> 40
His Phe Pro Gly Glu Asn Arg Thr Ala Val Cys Glu Ala Ile Ala Gly
1 5 10 15
Lys Pro Ala Ala Gln Ile Ser Trp Thr Pro Asp Gly Asp Cys Val Ala
20 25 30
Lys Asn Glu Ser His Ser Asn Gly Thr Val Thr Val Arg Ser Thr Cys
35 40 45
His Trp Glu Gln Ser His Val Ser Val Val Phe
50 55

<210> 41

<211> 59

<212> PRT

<213> Mus musculus

<400> 41
Tyr Phe Leu Gly Glu Asn Arg Thr Ala Val Cys Glu Ala Met Ala Gly
1 5 10 15
Lys Pro Ala Ala Gln Ile Ser Trp Thr Pro Asp Gly Asp Cys Val Thr
20 25 30
Lys Ser Glu Ser His Ser Asn Gly Thr Val Thr Val Arg Ser Thr Cys
35 40 45
His Trp Glu Gln Asn Asn Val Ser Ala Val Ser
50 55

<210> 42

<211> 59

<212> PRT

<213> Homo sapiens

<400> 42
Leu Phe Gln Asn Arg Asn Arg Thr Ala Val Cys Lys Ala Val Ala Gly
1 5 10 15
Lys Pro Ala Ala His Ile Ser Trp Ile Pro Glu Gly Asp Cys Ala Thr
20 25 30
Lys Gln Glu Tyr Trp Ser Asn Gly Thr Val Thr Val Lys Ser Thr Cys
35 40 45
His Trp Glu Val His Asn Val Ser Thr Val Thr
50 55

<210> 43

<211> 59

<212> PRT

<213> Homo sapiens

<400> 43
Leu Phe Gln Ser Arg Asn Ile Thr Ala Val Cys Lys Ala Val Thr Gly
1 5 10 15
Lys Pro Ala Ala Gln Ile Ser Trp Ile Pro Glu Gly Ser Ile Leu Ala
20 25 30
Thr Lys Gln Glu Tyr Trp Gly Asn Gly Thr Val Thr Val Lys Ser Thr
35 40 45
Cys Pro Trp Glu Gly His Lys Ser Thr Val Thr
50 55

<210> 44

<211> 59

<212> PRT

<213> Mus musculus

<400> 44
Cys Ile Val Ser His Leu Thr Gly Asn Gln Ser Leu Ser Ile Glu Leu
1 5 10 15
Ser Arg Gly Gly Asn Gln Ser Leu Arg Pro Tyr Ile Pro Tyr Ile Ile
20 25 30
Pro Ser Ile Ile Ile Leu Ile Ile Gly Cys Ile Cys Leu Leu Lys
35 40 45
Ile Ser Gly Phe Arg Lys Cys Lys Leu Pro Lys
50 55

<210> 45

<211> 60

<212> PRT

<213> Rattus rattus

<400> 45
Cys Val Val Ser His Leu Thr Thr Gly Asn Gln Ser Leu Ser Ile Glu
1 5 10 15
Leu Gly Arg Gly Gly Asp Gln Leu Leu Gly Ser Tyr Ile Gln Tyr Ile
20 25 30
Ile Pro Ser Ile Ile Ile Leu Ile Ile Gly Cys Ile Cys Leu Leu
35 40 45
Lys Ile Ser Gly Cys Arg Lys Cys Lys Leu Pro Lys
50 55 60

<210> 46

<211> 52

<212> PRT

<213> Mus musculus

<400> 46
Cys Ile Val Ser His Ser Thr Gly Asn Gln Ser Leu Ser Ile Glu Leu
1 5 10 15
Ser Arg Gly Thr Thr Ser Thr Thr Pro Ser Leu Leu Thr Ile Leu Tyr
20 25 30
Val Lys Met Val Leu Leu Gly Ile Ile Leu Leu Lys Val Gly Phe Ala
35 40 45
Phe Phe Gln Lys
50

<210> 47

<211> 50

<212> PRT

<213> Homo sapiens

<400> 47
Cys His Val Ser His Leu Thr Gly Asn Lys Ser Leu Tyr Ile Glu Leu
1 5 10 15
Leu Pro Val Pro Gly Ala Lys Lys Ile Ser Lys Ile Ile Tyr Ser Ile
20 25 30
Tyr His Pro Tyr Tyr Tyr Leu Asp His Arg Gly Ile His Leu Val
35 40 45
Val Glu
50

<210> 48

<211> 55

<212> PRT

<213> Homo sapiens

<400> 48
Cys His Val Ser His Leu Thr Gly Asn Lys Ser Leu Ser Val Lys Leu
1 5 10 15
Asn Ser Gly Leu Arg Thr Ser Gly Ser Pro Ala Leu Ser Leu Leu Ile
20 25 30
Ile Leu Tyr Val Lys Leu Ser Leu Phe Val Val Ile Leu Val Thr Thr
35 40 45
Gly Phe Val Phe Phe Gln Arg
50 55

<210> 49

<211> 55

<212> PRT

<213> Mus musculus

<400> 49
Leu Glu Ala Thr Ser Ala Ile Glu Glu Asp Glu Met Gln Pro Tyr Ala
1 5 10 15
Ser Tyr Thr Glu Lys Ser Asn Pro Leu Tyr Asp Thr Val Thr Lys Val
20 25 30
Glu Ala Phe Pro Val Ser Gln Gly Glu Val Asn Gly Thr Asp Cys Leu
35 40 45
Thr Leu Ser Ala Ile Gly Ile
50 55

<210> 50

<211> 55

<212> PRT

<213> Rattus rattus

<400> 50
Ser Gly Ala Thr Pro Asp Ile Glu Glu Asp Glu Met Gln Pro Tyr Ala
1 5 10 15
Ser Tyr Thr Glu Lys Ser Asn Pro Leu Tyr Asp Thr Val Thr Thr
20 25 30
Glu Ala His Pro Ala Ser Gln Gly Lys Val Asn Gly Thr Asp Cys Leu
35 40 45
Thr Leu Ser Ala Met Gly Ile
50 55

<210> 51

<211> 6

<212> PRT

<213> Mus musculus

<400> 51
Arg Asn Val Thr Arg Thr
1 5

<210> 52
<211> 7
<212> PRT
<213> Homo sapiens

<400> 52
Ser Gln Trp Leu Gln Lys Ile
1 5

<210> 53
<211> 8
<212> PRT
<213> Homo sapiens

<400> 53
Ile Asn His Val Arg Lys Val Leu
1 5

<210> 54
<211> 24
<212> PRT
<213> Homo sapiens

<400> 54
Met Gly Gly Lys Gln Met Thr Gln Asn Tyr Ser Thr Ile Phe Ala Glu
1 5 10 15
Gly Asn Ile Ser Gln Pro Val Leu
20

<210> 55
<211> 50
<212> PRT
<213> Mus musculus

<400> 55
Met His Ala Leu Gly Arg Ile Pro Thr Leu Thr Leu Leu Ile Phe Ile
1 5 10 15
Asn Ile Phe Val Ser Gly Ser Ser Cys Thr Asp Glu Asn Gln Thr Ile
20 25 30
Gln Asn Asp Ser Ser Ser Ser Leu Thr Gln Val Asn Thr Thr Met Ser
35 40 45
Val Gln
50

<210> 56
<211> 50
<212> PRT
<213> Homo sapiens

<400> 56
Met Asp Ile Asn Ala Val Leu Cys Cys Pro Pro Ile Ala Leu Arg Asn
1 5 10 15
Leu Ile Ile Ile Thr Trp Glu Ile Ile Leu Arg Gly Gln Pro Ser Cys

20 25 30
Thr Lys Ala Tyr Lys Lys Glu Thr Asn Glu Thr Lys Glu Thr Asn Cys
35 40 45
Thr Val
50

<210> 57
<211> 23
<212> PRT
<213> Mus musculus

<400> 57
Arg Gly Gln Pro Ser Cys Ile Met Ala Tyr Lys Val Glu Thr Lys Glu
1 5 10 15
Thr Asn Glu Thr Cys Leu Gly
20

<210> 58
<211> 49
<212> PRT
<213> Mus musculus

<400> 58
Met Asp Lys Lys Ala Leu Leu Cys Cys Phe Ser Ser Pro Leu Ile Asn
1 5 10 15
Ala Val Leu Ile Thr Trp Ile Ile Lys His Arg His Leu Pro Ser Cys
20 25 30
Thr Ile Ala Tyr Asn Leu Asp Lys Lys Thr Asn Glu Thr Ser Cys Leu
35 40 45
Gly

<210> 59
<211> 50
<212> PRT
<213> Homo sapiens

<400> 59
Glu Arg Ile Thr Trp Val Ser Arg Pro Asp Gln Asn Ser Asp Leu Gln
1 5 10 15
Ile Arg Pro Val Asp Thr Thr His Asp Gly Tyr Tyr Arg Gly Ile Val
20 25 30
Val Thr Pro Asp Gly Asn Phe His Arg Gly Tyr His Leu Gln Val Leu
35 40 45
Val Thr
50

<210> 60
<211> 50
<212> PRT
<213> Mus musculus

<400> 60
Arg Asn Ile Thr Trp Ala Ser Thr Pro Asp His Ile Pro Asp Leu Gln
1 5 10 15
Ile Ser Ala Val Ala Leu Gln His Glu Gly Asn Tyr Leu Cys Glu Ile
20 25 30
Thr Thr Pro Glu Gly Asn Phe His Lys Val Tyr Asp Leu Gln Val Leu
35 40 45
Val Pro

<210> 61
 <211> 50
 <212> PRT
 <213> *Mus musculus*

<400> 61
 Arg Asn Ile Thr Trp Ala Ser Thr Pro Asp His Ser Pro Glu Leu Gln
 1 5 10 15
 Ile Ser Ala Val Ala Leu Gln His Glu Gly Thr Tyr Thr Cys Glu Ile
 20 25 30
 Val Thr Pro Glu Gly Asn Leu Glu Lys Val Tyr Asp Leu Gln Val Leu
 35 40 45
 Val Pro
 50

<210> 62
 <211> 50
 <212> PRT
 <213> *Homo sapiens*

<400> 62
 Pro Glu Val Asn Leu Phe Gln Ser Arg Asn Ile Thr Ala Val Cys Lys
 1 5 10 15
 Ala Val Thr Gly Lys Pro Ala Ala Gln Ile Ser Trp Ile Pro Glu Gly
 20 25 30
 Ser Ile Leu Ala Thr Lys Gln Glu Tyr Trp Gly Asn Gly Thr Val Thr
 35 40 45
 Val Lys
 50

<210> 63
 <211> 49
 <212> PRT
 <213> *Mus musculus*

<400> 63
 Pro Glu Val Thr Tyr Phe Leu Gly Glu Asn Arg Thr Ala Val Cys Glu
 1 5 10 15
 Ala Met Ala Gly Lys Pro Ala Ala Gln Ile Ser Trp Thr Pro Asp Gly
 20 25 30
 Asp Cys Val Thr Lys Ser Glu Ser His Ser Asn Gly Thr Val Thr Val
 35 40 45
 Arg

<210> 64
 <211> 49
 <212> PRT
 <213> *Mus musculus*

<400> 64
 Pro Glu Val Thr Tyr Phe Pro Gly Lys Asn Arg Thr Ala Val Cys Glu
 1 5 10 15
 Ala Met Ala Gly Lys Pro Ala Ala Gln Ile Ser Trp Thr Pro Asp Gly
 20 25 30
 Asp Cys Val Thr Lys Ser Glu Ser His Ser Asn Gly Thr Val Thr Val
 35 40 45
 Arg

<210> 65
<211> 49
<212> PRT
<213> Homo sapiens

<400> 65
Ser Thr Cys Pro Trp Glu Gly His Lys Ser Thr Val Thr Cys His Val
1 5 10 15
Ser His Leu Thr Gly Asn Lys Ser Leu Ser Val Lys Leu Asn Ser Gly
20 25 30
Leu Arg Thr Ser Gly Ser Pro Ala Leu Ser Leu Leu Ile Ile Leu Tyr
35 40 45
Val

<210> 66
<211> 47
<212> PRT
<213> Mus musculus

<400> 66
Ser Thr Cys His Trp Glu Gln Asn Asn Val Ser Ala Val Ser Cys Ile
1 5 10 15
Val Ser His Ser Thr Gly Asn Gln Ser Leu Ser Ile Glu Leu Ser Arg
20 25 30
Gly Thr Thr Ser Thr Thr Pro Ser Leu Leu Thr Ile Leu Tyr Val
35 40 45

<210> 67
<211> 47
<212> PRT
<213> Mus musculus

<400> 67
Ser Thr Cys His Trp Glu Gln Asn Asn Val Ser Val Val Ser Cys Leu
1 5 10 15
Val Ser His Ser Thr Gly Asn Gln Ser Leu Ser Ile Glu Leu Ser Gln
20 25 30
Gly Thr Met Thr Thr Pro Arg Ser Leu Leu Thr Ile Leu Tyr Val
35 40 45

<210> 68
<211> 27
<212> PRT
<213> Homo sapiens

<400> 68
Lys Leu Ser Leu Phe Val Val Ile Leu Val Thr Thr Gly Phe Val Phe
1 5 10 15
Phe Gln Arg Ile Asn His Val Arg Lys Val Leu
20 25

<210> 69
<211> 25
<212> PRT
<213> Mus musculus

<400> 69
Lys Met Val Leu Leu Gly Ile Ile Leu Leu Lys Val Gly Phe Ala Phe
1 5 10 15
Phe Gln Lys Arg Asn Val Thr Arg Thr
20 25

<210> 70

<211> 25
<212> PRT
<213> *Mus musculus*

<400> 70
Lys Met Ala Leu Leu Val Ile Ile Leu Leu Asn Val Gly Phe Ala Phe
1 5 10 15
Phe Gln Lys Arg Asn Phe Ala Arg Thr
20 25